

# Converting Colors

$Y_{xy}(48.1832, 0.4052, 0.4654)$

Have a look what the booklet for  
Yxy(48.1832, 0.4052, 0.4654)  
contains.

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# Color

**Yxy(48.1832, 0.4052, 0.4654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4BC49
RGB	196, 188, 73
RGB Percent	77%, 74%, 29%
CMY	0.2314, 0.2627, 0.7136
CMYK	0.00, 0.04, 0.63, 0.23
HSL	56°, 51%, 53%
HSV	56°, 63%, 77%
XYZ	41.9507, 48.1832, 13.3969
YIQ	177.2820, 41.6830, -34.0690

# Conversions

## Conversions Part 2

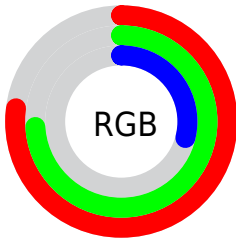
Format	Color
R <sub>Y</sub> B	82, 196, 73
Decimal	12893257
CIE Lab	74.94, -11.30, 57.32
CIE LCh	75, 58.422, 101.148
Yxy	48.1832, 0.4052, 0.4654
Android (android.graphics.Color)	4291083337 (0xFFC4BC49)
YUV	177.2820, -51.4110, 16.4157
Hunter-Lab	69.4141, -13.5977, 37.1470

# Details

The Yxy color **48.1832, 0.4052, 0.4654** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **11.2905, 0.1944, 0.1402**, and the grayscale version is **44.3840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4677, 0.3919, 0.4432**, and **22.8435, 0.4217, 0.4971** is the 20% darker color. If you saturate the color by 10%, you get **47.4233, 0.4156, 0.4792**, and if you desaturate by 10%, it is **49.0343, 0.3926, 0.4479**.

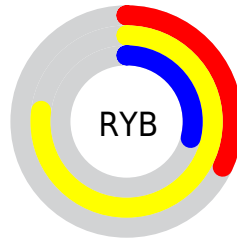
# Distribution



Red (77%)

Green (74%)

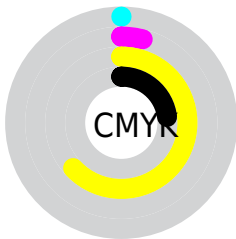
Blue (29%)



Red (32%)

Yellow (77%)

Blue (29%)

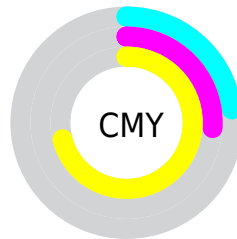


Cyan (0%)

Magenta (4%)

Yellow (63%)

Black (23%)



Cyan (23%)

Magenta (26%)


Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1832, 0.4052, 0.4654 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 48.1832, 0.4052, 0.4654 by changing the saturation by 10% instead.




 48.1832, 0.4052,  
0.4654


 48.1832, 0.4052,  
0.4654

379.5178, 0.3636,  
0.3997


 33.9720, 0.4132,  
0.4799


 87.4771, 0.3917,  
0.4427

 22.8721, 0.4219,  
0.4969


 113.3286, 0.3861,  
0.4338


 14.4991, 0.4305,  
0.5167

 143.8290, 0.3812,  
0.4261

 8.4686, 0.4420,  
0.5449

 179.3626, 0.3768,  
0.4194

 4.3962, 0.4380,  
0.5620

 220.3139, 0.3730,  
0.4136

 1.8976, 0.4216,  
0.5784

267.0673, 0.3695,

 0.5469, 0.3086,

0.4084

0.6914

320.0071, 0.3664,  
0.4038

0.0000, 0.0000,  
0.0000

48.1832, 0.4052,  
0.4654

48.1832, 0.4052,  
0.4654

47.4233, 0.4156,  
0.4792

49.0343, 0.3926,  
0.4479

46.7398, 0.4235,  
0.4888

49.9769, 0.3783,  
0.4274

46.1255, 0.4287,  
0.4940

51.0194, 0.3631,  
0.4051

45.7097, 0.4312,  
0.4958

52.1674, 0.3474,  
0.3817

53.4263, 0.3318,  
0.3582

■ 54.8010, 0.3167,  
0.3352

■ 56.2958, 0.3024,  
0.3131

■ 57.9153, 0.2891,  
0.2924

■ 59.6634, 0.2768,  
0.2732

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.1832, 0.4580, 0.4184



48.1832, 0.4052, 0.4654



48.1832, 0.3316, 0.4756

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.1832, 0.4052, 0.4654



48.1832, 0.1765, 0.2655



48.1832, 0.3581, 0.2536

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.1832, 0.4052, 0.4654



11.2905, 0.1944, 0.1402

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.1832, 0.2769, 0.2200



48.1832, 0.4052, 0.4654



48.1832, 0.1816, 0.2215

# Square

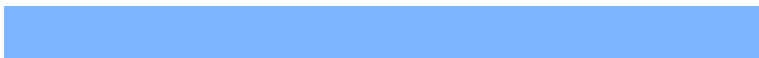
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.1832, 0.4052, 0.4654



48.1832, 0.2017, 0.3409



48.1832, 0.2153, 0.2080



48.1832, 0.4336, 0.3029



# Rectangle

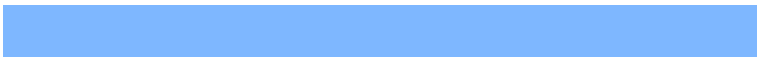
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.1832, 0.4052, 0.4654



48.1832, 0.2807, 0.4493



48.1832, 0.2153, 0.2080



48.1832, 0.3300, 0.2403

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.1855, 0.4052, 0.4654



95.2708, 0.3420, 0.3736



17.1014, 0.4983, 0.3198



20.2539, 0.3465, 0.3804



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.1855, 0.4052, 0.4654



85.4734, 0.4186, 0.4830



45.7731, 0.3524, 0.5006



11.6426, 0.3266, 0.3503



29.4210, 0.4310, 0.4960



1.3056, 0.4281, 0.4982



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.2905, 0.1944, 0.1402



13.4949, 0.1720, 0.1020



13.2137, 0.2389, 0.1504



9.8507, 0.2983, 0.3068



2.7875, 0.1513, 0.0647



0.1574, 0.1561, 0.0819



# Previews

## White Background



This preview shows how the Yxy color 48.1832, 0.4052, 0.4654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.1832, 0.4052, 0.4654 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.1832, 0.4052, 0.4654**

## Background



This preview shows how black text looks on a background with the Yxy color 48.1832, 0.4052, 0.4654.



This preview shows how white text looks on a background with the Yxy color 48.1832, 0.4052, 0.4654.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

48.1832, 0.4052, 0.4654

### Protanopia

48.2876, 0.4172, 0.4582

### Deuteranopia

47.8538, 0.4432, 0.4330



## Tritanopia

48.0338, 0.3285, 0.3121

# Trichromacy



## Original Color

48.1832, 0.4052, 0.4654

## Protanomaly

48.1422, 0.4128, 0.4612

## Deuteranomaly

47.9160, 0.4289, 0.4445

## Tritanomaly

47.4456, 0.3611, 0.3707

# Monochromacy



## Original Color

48.1832, 0.4052, 0.4654

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

45.1022, 0.3499, 0.3854

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1832, 0.4052, 0.4654 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 188, 73)` looks like.

```
.text, #text, p{  
    color:rgb(196, 188, 73)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 188, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 188, 73) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1832, 0.4052, 0.4654 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 188, 73) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(196, 188, 73) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(196, 188, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 188, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 188, 73);  
box-shadow:4px 4px 4px 4px rgb(196, 188,  
73) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1832, 0.4052, 0.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 188, 73) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196,  
188, 73) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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